

Please amend the subject application as follows:

IN THE SPECIFICATION

Please **delete** the paragraph between lines 3 and 12 on page 8.

Please **replace** the two paragraphs between lines 8 and 13 on page 38 with the following:

When the distortion is barrel distortion, at step 5, the F value is
decreased~~increased~~.

When the distortion is not barrel distortion (i.e., it is pincushion distortion), at
step 6, the F value is increased~~decreased~~.